

January 17, 2003

Dennis Summerlot  
General Cable Corporation  
7950 Rockville Rd.  
Indianapolis Indiana 46214

Re: Registered Operation Status,  
097-12917-00185

Dear Mr. Summerlot:

The application from General Cable, received on October 23, 2000, has been reviewed. Based on the data submitted and the provisions in 326 IAC 2-5.1, it has been determined that the following stationary source, which produces insulation for high voltage outdoor electrical wire, located at 7950 Rockville Road, Indianapolis, IN 46214, is classified as registered:

- (a) The Line 1 peroxide pellet cooling, identified as emissions unit WEI-12. Particulate Matter emissions from this process are controlled by the Witte Bag filter, which exhausts out one stack identified as stack ID EI-12. This system has a maximum operating capacity of 1.15 tons per hour.
- (b) Line 1 Central Vacuum System identified as emission unit ID SP-1. Particulate Matter emissions from this process are controlled by a Spenser Turbine Baghouse, which exhausts out one stack identified as stack ID CSP-1. This system has a maximum operating capacity of 0.25 tons per hour. This unit was covered under the previous operating permit certificate number 185-01.

The following conditions shall be applicable:

1. Pursuant to 326 IAC 5-1-2 (Opacity Limitations) except as provided in 326 IAC 5-1-3 (Temporary Exemptions), opacity shall meet the following:
  - (a) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
  - (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of 15 minutes (60 readings) in a 6-hour period as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor in a six (6) hour period.
2. Any change which increases the source wide potential to emit for any individual criteria air pollutant greater than 25 tons per year shall be approved by the Office of Air Quality, OAQ, and the City of Indianapolis, OES prior to making the change.
3. Pursuant to 326 IAC 6-3-2(e)(2), the allowable particulate emissions rate from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour. This condition is not federally enforceable.

This registration is a revised registration issued to this source. The baghouses must operate at all times when the associated emission units are in operation. The source may operate according to 326 IAC 2-5.5.

An authorized individual shall provide an annual notice to the Office of Air Quality, OAQ, and the City of Indianapolis, OES, that the source is in operation and in compliance with this registration pursuant to 326 IAC 2-5.5-4(a)(3). The annual notice shall be submitted to:

**Compliance Data Section  
Office of Air Quality  
100 North Senate Avenue  
P.O. Box 6015  
Indianapolis, IN 46206-6015**

**and**

**Office of Environmental Services  
Air Quality Management Section, Compliance Data Group  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221-2097**

no later than March 1 of each year, with the annual notice being submitted in the format attached.

An application or notification shall be submitted in accordance with 326 IAC 2 to the Office of Air Quality (OAQ) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

Original Signed by John Chavez  
Sincerely,  
John Chavez  
Administrator  
Office of Environmental Services  
City of Indianapolis

cc: File

<b>Registration Annual Notification</b>
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This form should be used to comply with the notification requirements under 326 IAC 2-5.1-2(f)(3)

<b>Company Name:</b>	<b>General Cable Corporation</b>
<b>Address:</b>	<b>7950 Rockville Rd.</b>
<b>City:</b>	<b>Indianapolis</b>
<b>Authorized Individual:</b>	
<b>Phone#:</b>	
<b>Registration#:</b>	<b>097-12917-00185</b>

I hereby certify the General Cable Corporation is still in operation and is in compliance with the requirements of Registration 097-12917-00185.

<b>Name (typed):</b>
<b>Title:</b>
<b>Signature:</b>
<b>Date:</b>

**Indiana Department of Environmental Management  
Office of Air Quality  
and  
Indianapolis Office Of Environmental Services**

**Technical Support Document (TSD) for a Registration**

**Source Background and Description**

**Source Name: General Cable Corporation**  
**Source Location: 7950 Rockville Rd.**  
**County: Marion**  
**SIC Code: 3087**  
**Permit No.: 097-12917-00185**  
**Permit Reviewer: Pat Coughlin**

The Office of Air Quality (OAQ) has reviewed an application from General Cable Corporation relating to the operation of a stationary source which produces insulation for high voltage outdoor electrical wire.

**Unpermitted Emission Units and Pollution Control Equipment**

The following unit has not been permitted:

- (a) The Line 1 peroxide pellet cooling, identified as emissions unit WEI-12. Emissions from this process are controlled by the Witte Bag filter, which exhausts out one stack identified as stack ID EI-12. This unit has potential to emit PM emissions greater than 5 tons per year and is not currently permitted.

**Existing Approvals**

The following unit was covered under a state operating permit issued November 17, 1995:

- (a) Line 1 Central Vacuum System identified as emission unit ID SP-1. Particulate Matter emissions are controlled by a Spenser Turbine Baghouse, which exhausts out one stack identified at stack ID CSP-1. Maximum operating capacity of 0.25 tons per hour. This unit was covered under the previous operating permit certificate number 185-01.

**Insignificant Emitting Units**

The following units have potential emissions less five tons per year:

- (a) Line 2 Central Vacuum System identified as emission unit #2 controlled by a Spenser Turbine Baghouse. Maximum Operating Capacity 0.25 tons per hour. This unit was covered under the previous operating permit certificate number 185-02.
- (b) Line 3 peroxide Pellet Cooling operation identified as emission unit #3 controlled by a Witte Baghouse. Maximum Operating Capacity 0.75 tons per hour. This unit was covered under the previous operating permit certificate number 185-3.
- (c) Line 1 & 2 Pressure Pot used for dense phase conveying system for lines 1 and 2 identified as emissions unit #4. Particulate matter emissions are controlled by Baghouse. Maximum operating capacity is 1.8 tons per hour. This unit was covered under the previous operating permit certificate number 185-04.

- (d) Central ventilation which picks up dust from the clay bag baler system, the carbon bag handling system for dense conveying and air from minor unloading systems, identified as emission unit #5. The Particulate matter emissions are controlled by a baghouse. This unit was covered under the previous operating permit certificate number 185-05.
- (e) Carbon Black handling in the compressor room, identified as emissions unit #6. The maximum operating capacity is 0.33 tons/hr. Particulate Matter emissions generated by this process are controlled by a baghouse. This unit was covered under the previous operating permit certificate number 185-06.

### Enforcement Issue

- (a) IDEM, OAQ and OES are aware that equipment has been constructed and/or operated prior to receipt of the proper permit. The subject equipment is listed in this Technical Support Document under the condition entitled *Unpermitted Emission Units and Pollution Control Equipment*.
- (b) IDEM, OAQ and OES are reviewing this matter and will take appropriate action. This proposed permit is intended to satisfy the requirements of the construction permit rules.

### Stack Summary

Stack ID	Operation	Height (feet)	Diameter (feet)	Flow Rate (acfm)	Temperature (F)
CSP-1	Line 1 Central Vacuum System	41	0.5	400	Ambient
WEI-12	Line 1 Pellet Cooling	22	1.3 x 1.6	6552	Ambient

### Recommendation

The staff recommends to the Commissioner that the operation be approved. This recommendation is based on the following facts and conditions: Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. A complete application for the purposes of this review was received on November 13, 2000.

### Emission Calculations

See Appendix A page 1 through 4 of this document for detailed emissions calculations.

### Potential To Emit

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as "the maximum capacity of a stationary source or emissions unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation

is enforceable by the U. S. EPA, the department, or the appropriate local air pollution control agency.”

This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	22
PM-10	22
SO <sub>2</sub>	negligible
VOC	negligible
CO	negligible
NO <sub>x</sub>	negligible

### Actual Emissions

No previous emission data has been received from the source. Allowable emissions (as defined in the Indiana Rule) of PM and PM10 are less than 25 tons per year, but greater than five (5) tons per year. Therefore, pursuant to 326 IAC 2-5.1-2, a registration is required.

### Limited Potential to Emit

The table below summarizes the total potential to emit, reflecting all limits, of the significant emission units.

	Limited Potential to Emit (tons/year)						
Process/facility	PM	PM-10	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>	HAPs
Source	22	22	neg	neg	neg	neg	neg
Total Emissions	25	25	25	25	25	25	NA

### County Attainment Status

The source is located in Marion County.

Pollutant	Status
PM-10	unclassified
SO <sub>2</sub>	attainment
NO <sub>2</sub>	attainment
Ozone	attainment
CO	attainment
Lead	attainment

- (a) Marion County has been classified as attainment or unclassifiable for all criteria air pollutants. Therefore, these emissions were reviewed pursuant to the requirements for

Prevention of Significant Deterioration (PSD), 326 IAC 2-2 and 40 CFR 52.21.

(c) Fugitive Emissions

Since this type of operation is not one of the 28 listed source categories under 326 IAC 2-2, 40 CFR 52.21, or 326 IAC 2-3 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

## **Part 70 Permit Determination**

### **326 IAC 2-7 (Part 70 Permit Program)**

This existing source is not subject to the Part 70 Permit requirements because the potential to emit (PTE) of:

- (a) each criteria pollutant is less than 100 tons per year,
- (b) a single hazardous air pollutant (HAP) is less than 10 tons per year, and
- (c) any combination of HAPs is less than 25 tons/year.

This status is based on all the air approvals issued to the source. This status has been verified by the OAQ inspector assigned to the source.

## **Federal Rule Applicability**

- (a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) applicable to this source.
- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14 and 40 CFR Part 63) applicable to this source.

## **State Rule Applicability - Entire Source**

### **326 IAC 5-1 (Visible Emissions Limitations)**

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of thirty percent (30%) any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings) as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

## **State Rule Applicability - Individual Facilities**

### **326 IAC 6-3-2 (Process Operations)**

Pursuant to 326 IAC 6-3-2(e)(2), the allowable particulate emissions rate from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed

0.551 pounds per hour. This condition is not federally enforceable.

The Baghouses shall be in operation at all times the emissions units WEI-12 and SP-1 are in operation, in order to comply with this limit.

**326 IAC 6-1-2 , 326 IAC 6-1-12 (Nonattainment Area Limitations)**

No 326 IAC 6-1 rule applies. Sources or facilities located in the Marion county shall comply with the limitations of 326 IAC 6-1-2, if it has the potential to emit one hundred (100) tons or more, or has actual emissions of ten (10) tons or more of particulate matter per year. This source has a potential to emit of 22 tons per year of PM, and actual PM emissions less than 2.2 tons per year, therefore, 326 IAC 6-1-2 does not apply. This facility is not specifically listed under 326 IAC 6-1-12, therefore, 326 IAC 6-1-12 does not apply.

**Conclusion**

The operation of this stationary source which produces insulation for high voltage outdoor electrical wire shall be subject to the conditions of the attached proposed registration 097-12917-00185.



# Appendix A

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**Source Name: General Cable Corporation**

**Source Location: 7950 Rockville Rd.**

**County: Marion**

**SIC Code: 3087**

**Permit No.: 097-12917-00185**

**Permit Reviewer: Monica Dick**

	Lbs. Dust Collected	Collection Time Hr	Baghouse Efficiency	Uncontrolled PM Emissions			Insignificant (Y/N)
				lbs/hr	lbs/day	tons/yr	
Process Control							
Line 1 Buss Air Bed Baghouse	9	48	0.99	0.188	4.500	0.821	Y
Line 2 Buss Air Bed Baghouse	5	48	0.99	0.104	2.500	0.456	Y
Line 1 Spenser Turbine	40	24	0.99	1.667	40.000	7.300	N
Line 2 Spenser Turbine	0	24	0.99	0.000	0.000	0.000	Y
Line 1 Witte Bag Filter	2230	1560	0.99	1.429	34.308	6.261	N
Line 3 Witte Bag Filter	5	8	0.99	0.625	15.000	2.738	Y
Line 1 & 2 Process Pot Filter	3	48	0.99	0.063	1.500	0.274	Y
Central Dust Collector	9	24	0.99	0.375	9.000	1.643	Y
Carbon Black Baghouse	3	48	0.99	0.063	1.500	0.274	Y
Line 2 Witte Bag Filter	925	1560	0.99	0.593	14.231	2.597	Y
<b>Total</b>	<b>3229</b>	<b>3392</b>	<b>9.9</b>	<b>5.106</b>	<b>122.538</b>	<b>22.363</b>	

Uncontrolled PM = Lbs Collected/ Hours of Operation

	Maximum Throughput (lbs/wk)	Normal Operating (hr/wk)	Maximum Capacity (tons/hr)	Weight Rate	Actual (lbs/hr)	Actual (tons/yr)
				Allowable (lbs/hr)		
Process Control						
Line 1 Buss Air Bed Baghouse	276000	120	1.15	4.50	0.0038	0.02
Line 2 Buss Air Bed Baghouse	276000	120	1.15	4.50	0.0021	0.01
Line 1 Spenser Turbine	60000	120	0.25	1.62	0.0333	0.15
Line 2 Spenser Turbine	60000	120	0.25	1.62	0.0000	0.00
Line 1 Witte Bag Filter	276000	120	1.15	4.50	0.0286	0.13
Line 3 Witte Bag Filter	180000	120	0.75	3.38	0.0125	0.05
Line 1 & 2 Process Pot Filter	552000	120	2.3	7.16	0.0013	0.01
Central Dust Collector	60000	120	0.25	1.62	0.0075	0.03
Carbon Black Baghouse	115200	120	0.48	2.51	0.0013	0.01
Line 2 Witte Bag Filter	276000	120	1.15	4.50	0.0119	0.05
<b>Total</b>				<b>35.92</b>	<b>0.10</b>	<b>0.45</b>

Maximum capacity tons/hr = Maximum throughput lbs/wk / 120 hrs/wk / 2000 lbs/ton

Actual emissions = Uncontrolled PM \* (100% - Control Eff.)